



Form PTO-1449 U.S. Department of Commerce
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ATTY DOCKET NO.
8514ZYA

SERIAL NO.
08/742,080

APPLICANT
Mary J. Wirth, et al.

EXAMINER

FILING DATE
November 1, 1996

GROUP

1501

U.S. PATENT DOCUMENTS

Exam. Inti.		Document Number	Date	Name	Class	Sub Class	Filing Date if Appropriate
MJW	AA	T 985,010	5/3/77	Eichenbaum, et al.	365	41	
	AB	4,512,898	4/23/85	Oi, et al.	210	656	
	AC	4,604,207	8/5/86	Oi, et al.	210	635	
	AD	4,746,572	5/24/88	Glaich, et al.	423	403	
	AE	4,755,294	7/5/88	Pradet, et al.	210	196,2	
	AF	4,835,058	5/30/89	Komiya, et al.	428	405	
	AG	4,985,577	1/15/91	Shinohara, et al.	556	445	
	AH	5,154,822	10/13/92	Simpson, et al.	210	198,2	
	AI	5,209,976	05/93	Ogawa	428	391	

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		Document Number	Date	Country	Class	Sub Class	Translation Yes/No
MJW	AJ	0 268 243	5/25/88	EPO	—	—	—
	AK	0 269 447	6/1/88	EPO	—	—	—
	AL	WO88/00860	2/11/88	PCT	—	—	—
	AM	61287444	12/17/86	Japan	—	—	—

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

MJW	AN	Patent Abstracts of Japan, Vol. 16, No. 15, pg. 1298, 91-233355, (October 17, 1991).
	AO	YAMAMURA KAGAKU KE: "Carrier for Separation of Solute - Comprises Organic Silane Compound Containing Epoxy Group and PVA Bound to Surface of Inorganic Particles", J63210661-A, 880901, 8841, abstract.
	AP	Wikstrom, P.: "Silanisation Method for Chromatographic Carrier Material - Involves Covalently Bonding Silane to Porous Material in Gas Phase at Increased Temperature and Reduces Pressure", SE8604805-A, 880511, 8833, abstract.
	AQ	LENINGRAD LENSOVET TECH: "Silicon Dioxide Carrier Containing Molybdenum (5) - as a Uniform Monolayer of Oxide for use as a Catalyst", SU440338-A, 750214, 7533, abstract.

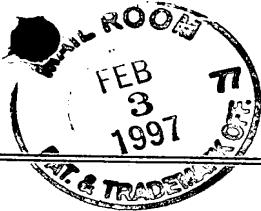
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AA		4,950,634	08/90	Williams, et al.	502	401	
AB		4,847,159	07/89	Glajch, et al.	418	447	
AC		4,600,646	07/86	Stout	428	405	
AD		5,154,822	10.92	Simpson, et al.			
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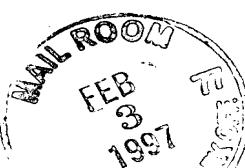
MJW	AN	P. Silberzan et al.; Silanation of Silica Surfaces. A New Method of Constructing Pure or Mixed Monolayers; pp. 1647-1651; Langmuir 1991, 7.
	AO	Stephen R. Wasserman et al.; The Structure of Self-Assembled Monolayers of Alkylsiloxanes on Silicon: A Comparison of Results from Ellipsometry and Low-Angle X-ray Reflectivity; pp. 5852-5861; J. Am. Chem. Soc. 1989, 111.
	AP	Terry A. Michalske et al.; The Fracturing of Glass; pp. 122-129; Scientific American; Vol. 257; No. 6; 1987.
	AQ	Ralph K. Iler; The Chemistry of Silica; pp. 576-578, 598-599; 1979 (John Wiley & Sons).

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<i>MW</i>	AN	M. Pomerantz et al.; Coverage of Si Substrates by Self-Assembling Monolayers and Multilayers as measured by IR, Wettability and X-ray Diffraction; pp. 153-162; <u>Thin Solid Films</u> ; 132 (1985).
	AO	Jacob Sagiv; Organized Monolayers by Adsorption. 1. Formation and Structure of Oleophobic Mixed Monolayers on Solid Surfaces; pp. 92-98; <u>J. Amer. Chem. Soc.</u> 102:1; January 2, 1980.
	AP	Nolan Tillman et al.; Incorporation of Phenoxy Groups in Self-Assembled Monolayers of Trichlorosilane Derivatives: Effects on Film Thickness, Wettability and Molecular Orientation; pp. 6136-6144; <u>J. Amer. Chem. Soc.</u> ; 1988; 110.
	AQ	Colin D. Bain et al.; Formation of Monolayers by the Coadsorption of Thiols on Gold: Variation in the Head Group, Tail Group, and Solvent; pp. 7155-7164; <u>J. Amer. Chem. Soc.</u> ; 1989; 111.

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MS	AN	Colin D. Bain et al.; Formation of Monolayers by the Coadsorption of Thiols on Gold: Variation in the Length of the Alkyl Chain; pp. 7164-7175; <u>J. Amer. Chem. Soc.</u> ; 1989; 111.
	AO	Rivka Maoz et al.: On the Formation and Structure of Self-Assembling Monolayers; pp. 465-496; <u>Journal of Colloid and Interface Science</u> ; Vol. 100; No. 2; August 1984.
	AP	Carey; <u>Organic Chemistry</u> , p. 146, 1987.
	AQ	Gee, et al.: <u>Journal of Colloid and Interface Science</u> , 140 (2):450-465 (December 1990)

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